

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/873,106

DATE: 07/06/2001
TIME: 12:20:49

Input Set : A:\cpq.txt
Output Set: N:\CRF3\07062001\I873106.raw

4 <110> APPLICANT: Reinherz, Ellis L.
5 Freund, Christian
6 Li, Jing
7 Nishizawa, Kazuhisa
8 Wagner, Gerhard
10 <120> TITLE OF INVENTION: Cloning and Characterization of a CD2
11 Binding Protein (CD2BP2)
14 <130> FILE REFERENCE: 1062.1021-004
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/873,106
C--> 16 <141> CURRENT FILING DATE: 2001-06-01
16 <150> PRIOR APPLICATION NUMBER: US 60/111,007
17 <151> PRIOR FILING DATE: 1998-12-04
19 <150> PRIOR APPLICATION NUMBER: US 60/115,647
20 <151> PRIOR FILING DATE: 1999-01-13
22 <150> PRIOR APPLICATION NUMBER: PCT/US99/26993
23 <151> PRIOR FILING DATE: 1999-11-15
25 <160> NUMBER OF SEQ ID NOS: 25
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 1299
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <220> FEATURE:
35 <221> NAME/KEY: CDS
36 <222> LOCATION: (121)...(1143)
38 <400> SEQUENCE: 1
39 agtcctttc cgggtatgg cggcggtgc cccggatgta gccctggcgca aagcatctct 60
40 tcttttttcc acctcgcctt ccgcggattc ccagctttag aaacacctct ttgccccgtc 120
41 atg cca aag agg aaa gtg acc ttc caa ggc gtg gga gat gag gag gat 168
42 Met Pro Lys Arg Lys Val Thr Phe Gln Gly Val Gly Asp Glu Glu Asp
43 1 5 10 15
45 gag gat gaa atc att gtc ccc aag aag ctg gtg gac cct gtg gct 216
46 Glu Asp Glu Ile Ile Val Pro Lys Lys Leu Val Asp Pro Val Ala
47 20 25 30
49 ggg tca ggg ggt cct ggg agc cgc ttt aaa ggc aaa cac tct ttg gat 264
50 Gly Ser Gly Gly Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp
51 35 40 45
53 agc gat gag gag gag gat gat gat gat ggg ggg tcc agc aaa tat gac 312
54 Ser Asp Glu Glu Asp Asp Asp Gly Gly Ser Ser Lys Tyr Asp
55 50 55 60
57 atc ttg gcc tca gag gag gat gta gaa ggt cag gag gca gcc aca ctc ccc 360
58 Ile Leu Ala Ser Glu Asp Val Glu Gly Gln Glu Ala Ala Thr Leu Pro
59 65 70 75 80
61 agc gag ggg ggt ggt cgg atc aca ccc ttt aac ctg cag gag gag atg 408
62 Ser Glu Gly Gly Arg Ile Thr Pro Phe Asn Leu Gln Glu Glu Met
63 85 90 95
65 gag gaa ggc cac ttt gat gcc gat ggc aac tac ttc ctg aac cgg gat 456

Does Not Comply
Corrected Diskette Needed

See p.5
After an initial
correction of
format errors,
(second copy
attached) the
sequence listing still
was found to still
be error ed.

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Input Set : A:\cpg.txt
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132 <210> SEQ ID NO: 2
133 <211> LENGTH: 341
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 2
138 Met Pro Lys Arg Lys Val Thr Phe Gln Gly Val Gly Asp Glu Glu Asp
139 1 5 10 15
140 Glu Asp Glu Ile Ile Val Pro Lys Lys Leu Val Asp Pro Val Ala
141 20 25 30
142 Gly Ser Gly Gly Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp
143 35 40 45
144 Ser Asp Glu Glu Asp Asp Asp Gly Ser Ser Lys Tyr Asp
145 50 55 60
146 Ile Leu Ala Ser Glu Asp Val Glu Gly Gln Glu Ala Ala Thr Leu Pro
147 65 70 75 80
148 Ser Glu Gly Gly Arg Ile Thr Pro Phe Asn Leu Gln Glu Glu Met
149 85 90 95
150 Glu Glu Gly His Phe Asp Ala Asp Gly Asn Tyr Phe Leu Asn Arg Asp
151 100 105 110
152 Ala Gln Ile Arg Asp Ser Trp Leu Asp Asn Ile Asp Trp Val Lys Ile
153 115 120 125
154 Arg Glu Arg Pro Pro Gly Gln Arg Gln Ala Ser Asp Ser Glu Glu Glu
155 130 135 140
156 Asp Ser Leu Gly Gln Thr Ser Met Ser Ala Gln Ala Leu Leu Glu Gly
157 145 150 155 160
158 Leu Leu Glu Leu Leu Pro Arg Glu Thr Val Ala Gly Ala Leu Arg
159 165 170 175
160 Arg Leu Gly Ala Arg Gly Gly Lys Gly Arg Lys Gly Pro Gly Gln
161 180 185 190
162 Pro Ser Ser Pro Gln Arg Leu Asp Arg Leu Ser Gly Leu Ala Asp Gln
163 195 200 205
164 Met Val Ala Arg Gly Asn Leu Gly Val Tyr Gln Glu Thr Arg Glu Arg
165 210 215 220
166 Leu Ala Met Arg Leu Lys Gly Leu Gly Cys Gln Thr Leu Gly Pro His
167 225 230 235 240
168 Asn Pro Thr Pro Pro Ser Leu Asp Met Phe Ala Glu Glu Leu Ala
169 245 250 255
170 Glu Glu Glu Leu Glu Thr Pro Thr Pro Thr Gln Arg Gly Glu Ala Glu
171 260 265 270
172 Ser Arg Gly Asp Gly Leu Val Asp Val Met Trp Glu Tyr Lys Trp Glu
173 275 280 285
174 Asn Thr Gly Asp Ala Glu Leu Tyr Gly Pro Phe Thr Ser Ala Gln Met
175 290 295 300
176 Gln Thr Trp Val Ser Glu Gly Tyr Phe Pro Asp Gly Val Tyr Cys Arg
177 305 310 315 320
178 Lys Leu Asp Pro Pro Gly Gly Gln Phe Tyr Asn Ser Lys Arg Ile Asp
179 325 330 335
180 Phe Asp Leu Tyr Thr
181 340

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Input Set : A:\cpq.txt
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184 <210> SEQ ID NO: 3
185 <211> LENGTH: 26
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 3
190 Gly Asp Ala Glu Leu Tyr Gly Pro Phe Thr Ser Ala Gln Met Gln Thr
191 1 5 10 15
192 Trp Val Ser Glu Gly Tyr Phe Pro Asp Gly
193 20 25
196 <210> SEQ ID NO: 4
197 <211> LENGTH: 27
198 <212> TYPE: PRT
199 <213> ORGANISM: Caenorhabditis elegans
201 <400> SEQUENCE: 4
202 Gly Pro Asp Ser Glu Lys Tyr Gly Pro Tyr Met Ser Lys Asp Met Leu
203 1 5 10 15
204 Phe Trp Leu Gln Ala Gly Tyr Phe Asn Asp Gly
205 20 25
208 <210> SEQ ID NO: 5
209 <211> LENGTH: 27
210 <212> TYPE: PRT
211 <213> ORGANISM: Caenorhabditis elegans
213 <400> SEQUENCE: 5
214 Asp Pro Thr Glu Thr Arg Arg Gly Pro Phe Pro Lys Asp Gln Met Asn
215 1 5 10 15
216 Val Trp Phe Lys Ala Gly Tyr Phe Thr Asp Glu
217 20 25
220 <210> SEQ ID NO: 6
221 <211> LENGTH: 27
222 <212> TYPE: PRT
223 <213> ORGANISM: Caenorhabditis elegans
225 <400> SEQUENCE: 6
226 Asp Asp Arg Gly Thr Val Gln Gly Pro Tyr Gly Ala Ser Thr Val Leu
227 1 5 10 15
228 Asp Trp Tyr Gln Lys Gly Tyr Phe Ser Asp Asn
229 20 25
232 <210> SEQ ID NO: 7
233 <211> LENGTH: 29
234 <212> TYPE: PRT
235 <213> ORGANISM: Saccharomyces cerevisiae
237 <400> SEQUENCE: 7
238 Asp Thr Gln Gly Gln Ile His Gly Pro Phe Thr Thr Gln Met Met Ser
239 1 5 10 15
240 Gln Trp Tyr Ile Gly Gly Leu Glu Tyr Phe Ala Ser Thr
241 20 25
244 <210> SEQ ID NO: 8
245 <211> LENGTH: 27
246 <212> TYPE: PRT
247 <213> ORGANISM: Saccharomyces cerevisiae

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Input Set : A:\cpg.txt
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249 <400> SEQUENCE: 8
250 Asp Ser Asn Gly Asn Ile Gln Gly Pro Phe Gly Thr Asn Asn Met Ser
251 1 5 10 15
252 Gln Trp Tyr Gln Gly Gly Tyr Phe Thr Pro Thr
253 20 25
256 <210> SEQ ID NO: 9
257 <211> LENGTH: 17
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Motif in CD2 binding region of CD2BP2
265 <221> NAME/KEY: VARIANT
266 <222> LOCATION: (1)...(2) → Position 1...2 are
267 <223> OTHER INFORMATION: Xaa = Any Amino Acid not Xaa's.
269 <221> NAME/KEY: VARIANT
270 <222> LOCATION: (3)...(3)
271 <223> OTHER INFORMATION: Xaa can be Tyr or Phe
273 <221> NAME/KEY: VARIANT
274 <222> LOCATION: (4)...(7)
275 <223> OTHER INFORMATION: Xaa = Any Amino Acid
277 <221> NAME/KEY: VARIANT
278 <222> LOCATION: (8)...(8)
279 <223> OTHER INFORMATION: Xaa can be Met or Val
281 <221> NAME/KEY: VARIANT
282 <222> LOCATION: (9)...(15) /
283 <223> OTHER INFORMATION: Xaa = Any Amino Acid
285 <400> SEQUENCE: 9
W--> 286 Gly Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Xaa Xaa Xaa Gly Thr
287 1 5 10 15
288 Phe
292 <210> SEQ ID NO: 10
293 <211> LENGTH: 6
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: CD2BP2 binding region
301 <400> SEQUENCE: 10
302 Pro Pro Pro Gly His Arg
303 1 5
306 <210> SEQ ID NO: 11
307 <211> LENGTH: 70
308 <212> TYPE: PRT
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 11
312 Pro Pro Pro Pro Pro Gly His Arg Ser Gln Ala Pro Ser His Arg Pro
313 1 5 10 15
314 Pro Pro Pro Gly His Arg Val Gln His Gln Pro Gln Lys Arg Pro Pro
315 20 25 30
316 Ala Pro Ser Gly Thr Gln Val His Gln Gln Lys Gly Pro Pro Leu Pro

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/873,106

DATE: 07/06/2001
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Input Set : A:\cpq.txt
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L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9